MERL-1562

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Porikli

Title: IMAGE SEGMENTATION BY BASE POINT SELECTION AND WAVEFRONT PROPAGATION

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INFORMATION DISCLOSURE STATEMENT

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Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the following documents (copies enclosed) listed on the attached copy of Form PTO-1449.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 checked below:

_X_ 1.97(b) This Information Disclosure Statement is filed:

(1) Within three months of the filing date of a national application; OR

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No fee or certification is required.

__ 1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

(1) A Final Action under 37 CFR 1.113; OR

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(1) the Certification under 37 CFR 1.97(e) as set out below; AND

(2) Petition is hereby made under 37 CFR 1.97(d) for consideration of this Information Disclosure Statement; AND,

(3) Authorization to charge the petition fee of $130.00 as set out in 37 CFR 1.17(i).

If this Information Disclosure Statement is being filed under 37 CFR 1.97(c) or 1.97(d), the undersigned Attorney hereby

certifies that:

__ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Statement;

or

__ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Statement.

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Authorization is hereby given to charge the indicated fee(s) to Deposit Account No. 50-0749.

Please charge any additional fee due for this paper to Deposit Account No. 50-0749.

Respectfully submitted,

MITSUBISHI ELECTRIC RESEARCH LABORATORIES

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Enclosures

Form PTO-1449 (modified 2/91)	U.S. DEPT OF COMMERCE Patent and Trademark Office	Attorney Docket Number: MERL-1562	Serial Number:
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant: Porikli	
		Filing date: Herewith	Group art area:

U.S. PATENT DOCUMENTS

Examiner Initial	Patent number	Date	Name	Class	Subclass	Filing date if appropriate

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Subclass	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1.	T.F. Chan and L.A. Vese, "A level set algorithm for minimizing the Mumford-Shah functional in image processing" *Proceedings. IEEE Workshop on Variational and Level Set Methods in Computer Vision,* Pages: 161 - 168, 2001.
2.	N. Paragios and R. Deriche, "Geodesic active regions and level set methods for supervised texture segmentation" *International Journal of Computer Vision* Vol.46, pp 223, 2002.
3.	R. Malladi, J. A. Sethian, and B. Vemuri, "Shape □odeling with wavefront propagation: a level set approach," *IEEE Trans. On Pattern Analysis and Machine Intelligence,* Vol. 17, pp. 158-175, 1995.
4.	M. Leventon, Olivier Faugeras, Eric Grimson, WilliamWells, "Level Set Based Segmentation with Intensity and Curvature Priors," *IEEE Workshop on Mathematical Methods in Biomedical Image Analysis,* 2000.
5.	K. Siddiqi, A. Tannenbaum, and S.W. Zucker. "Hyperbolic "Smoothing" of shapes", *1998. Sixth International Conference on Computer Vision,* 4-7 Jan. Pages:215 - 221, 1998.
6.	O. Faugeras and R. Keriven, "Variational Principles, Surface Evolution, PDE's, level set methods and the Stereo Problem," *IEEE Transactions on Image Processing,* Vol. 7, No. 3, pp 336-344, 1998.
7.	B.C. Vemuri, J. Ye, Y. Chen, C.M. Leonard, "A Level-Set Based Approach to Image Registration," *IEEEWorkshop on Mathematical Methods in Biomedical Image Analysis,* 2000.

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP .609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.